

**DEP Hurricane Sandy Update: Wednesday, November 7, 2012 @ 9 AM****Solid Waste**

- Authorization for 24-hour operations statewide at all Solid Waste and Recycling centers was extended to Nov 16. This was posted online.
- A link was added to the Debris Management page to the Treasury website for contract resources.
- SHWM worked with C&E to develop an inspection plan to deploy inspectors from DESH to accomplish debris management tasks.
- Approval was granted Tuesday to the Ocean County LF to operate a 2nd landfill face to expedite disposal.
- A temporary debris management approval (TDMA) was granted to Monmouth Beach/Monmouth County.
- A capacity increase was granted to Republic Services TS– Tinton Falls/Monmouth County for all waste types. Increase from 450 to 1000 tons/day

WATER Supply TREATMENT PLANTS

- Facilities in State: 604 (APPROX 590 CONTACTED)
- Number of Counties impacted: 10
- Facilities in need of assistance: 44
- Systems running completely or partially on generators: 35
- Systems Needing Generators: 4

COMMUNITY WATER SUPPLY SYSTEMS 11/7/12 0619hrs

County	Boil Water Advisories (BWAs)	Red Major Power or Operational Issues	Brown Running on Auxiliary Power	Total Systems Impacted
Atlantic				0
Bergen			4 -Fairlawn -Ramsey Water Dept. -Waldwick -Ho-Ho-Kus Water Dept.	4
Burlington				0
Camden				0
Cape May				0
Cumberland				0
Essex			2 -NJ American-Short Hills Div. -Newark Water Dept.	2
Gloucester				
Hudson				
Hunterdon			1 -High Bridge Water Dept.	1
Mercer				0
Middlesex	1 -Middlesex Water Co.		2 -Old Bridge MUA -Middlesex WC	3
Monmouth			2 -Roosevelt Water Dept. -NJ American Water-Coastal North	2
Morris		1 -Oak Ridge MHP	9 -Boonton -Denville -Mountain Shore Water Supply -Kinnelon -Southeast Morris Co. MUA -Jefferson Twp. Water, Vassar Rd. -Rockaway Boro Water Dept. -Pequannock Twp. Water Dept. -Roxbury Water Company	10
Ocean	4 -Stafford Twp MUA -Ship Bottom Water Dept. -Long Beach Twp Water Dept. -Fountainhead Parks Inc.	3 -Seaside Heights -Holgate -North Beach	1 -Brick Twp MUA	8
Passaic	1 -Reflection Lakes Garden	1 -Hawthorne	1 -Wonder Lake Properties	3

	Apartments			
Salem				0
Somerset				
Sussex	5 -Andover Boro Water Dept. -Colby Water Co. -North Shore Water Assoc. - Brookwood Musconetcong -Forest Lakes Water Company	2 -North Shore Water Assoc -Arthur Road	3 -Andover Boro Water Dept. -Brookwood Musconetcong, POA -Colby Water Co.	10
Union				0
Warren			1 -Independence MUA	1

Systems Identified for Power Restoration: 35 (In order of population served)

Facility Name	County	Population	Electric Provider (based on web customer service maps)
NJ American Water - Coastal North	Monmouth	343,995	JCP&L
Newark Water Department	Essex	273,000	JCP&L
Middlesex WC	Middlesex	233,376	PSE&G
NJ American - Short Hills Division	Essex	217,230	JCP&L and PSE&G
Brick Twp. MUA	Ocean	80,494	JCP&L
Southeast Morris County MUA	Morris	67,657	JCP&L
Old Bridge MUA	Middlesex	65,900	JCP&L
Fairlawn	Bergen	32,573	PSE&G
Hawthorne	Passaic	21,006	PSE&G
Beach Haven	Ocean	20,000	JCP&L
Seaside Heights	Ocean	20,000	JCP&L
Ramsey Water Dept.	Bergen	16,653	JCP&L
Denville	Morris	16,000	JCP&L
Pequannock Twp. Water Dept.	Morris	14,002	JCP&L
Roxbury Water Company	Morris	11,230	JCP&L
Waldwick	Bergen	9,757	PSE&G
Boonton	Morris	9,532	JCP&L
Rockaway Boro Water Dept.	Morris	7,000	JCP&L
Ho-Ho-Kus Water Dept.	Bergen	4,060	PSE&G
OceanGate	Ocean	3,200	JCP&L
Long Beach Township Brant Beach	Ocean	2,295	JCP&L
High Bridge Water Dept.	Hunterdon	1,650	JCP&L
Brookwood Musconetcong, POA	Sussex	1,200	JCP&L
Kinnelon	Morris	1,001	JCP&L
Roosevelt Water Dept	Monmouth	933	JCP&L
Andover Boro WD	Sussex	783	JCP&L
Independence MUA - Valley View	Warren	110	JCP&L
Wonder Lake Properties	Passaic	105	JCP&L
North Shore Water Association	Sussex	105	JCP&L
Oak Ridge MHP	Morris	100	JCP&L
Mountain Shore Water Supply	Morris	90	JCP&L
Jefferson Twp. Water, Vassar Rd.	Morris	90	JCP&L
Sandy Point MHP	Morris	75	JCP&L
Colby Water Co	Sussex	75	JCP&L
Arthur Road	Sussex	68	JCP&L

Systems Needing Generators: 4

Facility Name	Population	Electric Provider (based on web customer service maps)
NJ1517001 Long Beach*	25,295	JCP&L
NJ1503001 Beach haven*	20,000	JCP&L
NJ1526001 Seaside Heights Water Dept**	20,000	JCP&L
NJ1604001 Hawthorne*	21,006	PSE&G

*Requesting generators for backup power

**For fire Protection

- **NEW** – Overnight, 3 systems reported not being completely on the grid. DEP is assessing their needs:
 - Ho-Ho-Kus Water Department
 - Pequannock Township Water Department
 - Roxbury Water Company
- **NEW** – On Wednesday, 11/7 at 3:45 a.m. Ringwood notified DEP of 10-inch water main break (25 homes without water). They will proceed with reverse-911 notification and DEP procedures for boil water advisories.
- **Middlesex County Water Company Outage Update** – PSEG has restored full power to the Middlesex County Water Company. The intake pumps are currently operating on electric power and it will take 2 days to flush the system. A Boil Water Advisory is currently in effect for 48 hours for the following towns: Carteret, Woodbridge, Edison, South Amboy, Highland Park, East Brunswick and Metuchen. FEMA and OEM will reassess water needs at 7:00 a.m. on 11/6/2012.
 - **Background:** At 6:00 p.m. Monday, 11/5, DEP was notified that that Middlesex Water Supply went off the grid. They were reconnected two days ago but lost power and had trouble starting up their on-site generator. PSEG provided a 1250kw generator. At 4:15 a.m. this morning, 11/06, PSEG has restored full power.

Drinking Water

- In addition to Middlesex County Water Company's BWA, 10 additional drinking water systems are under Boil Water Advisories – 5 new additions since Tuesday, all in Sussex County:
 1. **NEW:** Andover Boro Water Department – Andover, Sussex County, pop. served: 783

2. NEW: North Shore Water Association – Andover, Sussex County, pop. served: 105
3. NEW: Colby Water Company – Byram, Sussex County, pop. served: 75
4. NEW: Brookwood Musconetcong – Byram, Sussex County, pop. served: 1200
5. NEW: Forest Lakes Water Company – Byram, Sussex County, pop. served: 1410
6. Reflection Lakes Garden Apartment Complex, West Milford, Passaic County, pop. served: 40
7. Brant Beach Water Department, Long Beach Township, Ocean County, pop. served: 2,295
8. Ship Bottom, Ocean County, pop. served: limited due to evacuations.
9. Cedar Bonnet Island, Stafford Township, Ocean County, pop. served: limited due to evacuations.
10. Fountainhead Parks, Jackson Township, Ocean County, pop. Served: 280

- DWSG suspects additional BWAs may be issued as more systems regain power and systems are returned to operation

WASTEWATER TREATMENT PLANTS

- Facilities in State: 369
- Facilities over 0.1 MGD: 158
- Facilities in need of assistance : 33

WATER

County	Major Treatment Issues	Major Power Issues	Other Power Issues	TOTAL
Atlantic County				
Bergen County	NW Bergen MUA 10mgd raw to Hohokus	NW Bergen MUA Electrician needed	Edgewater Willingboro	3
Burlington County			Black Creek WWTP	1
Camden County				1
Cape May County				
Cumberland County				
Essex County	PVSC 240 mgd Raw to NY Harbor		Verona	2
Gloucester County				
Hudson County	N Hudson (West NY) 9.5mgd		Spectraseve Raritan Twp	3
Hunterdon County			Raritan Township MUA Valley Rd Sewer Glen Meadows Califron	4
Mercer County				
Middlesex County	MCUA (123 mgd) to Raritan Bay	MCUA		1
Monmouth County	Long Branch SA (2 mgd) to Atlantic Ocean	Long Branch SA	TWP Ocean SA So Monmouth	3
Morris County		Mt. Olive Twp	Two Bridges SA Wash Twp Wash Twp-Scooley Hanover Morris Mendham Morristown Twp	8
Ocean County		Ocean Gate Seaside Heights Water	Ocean County Central	3
Passaic County			West Milford	1
Salem County				
Somerset County			Lamington Farm Golf Warren Twp Montgomery	3
Sussex County				
Union County				
Warren County				
Total	6	6	21	33

Wastewater Treatment Facilities

- Of the > .1MGD 158 facilities, all have been called
 - Number responded: 157
 - Without Power: 33
 - Need Generators: 8
 - Number with other issues: 14
 - Discharging Sewerage (Without full treatment): 6
- Of the < .1MGD 211 facilities, all have been called
 - Number responded: 209
 - Without Power: 29
 - Need Generators: 0
 - Number with other issues: 2
 - Discharging Sewerage (Discharging without full treatment): 0

Waste Water Treatment Plants – Chart Summary

Major Treatment Issues

1. Northwest Bergen (Bergen) offline (10 MGD), currently releasing raw sewage needs an electrician, no assistance requested. CONSERVATION NEEDED
2. Passaic Valley Sewerage Commissioners (Essex) All wastewater flow into PVSC has been restored. All PVSC CSO regulators were put back into service. Dewatering of PVSC's galleries are approx. 90% complete. Oxygenation tanks mixers were powered up and turned on. All discharges now going to outfall 5 miles from facility in New York Harbor.
3. North Hudson sewerage authority system. All systems are on the grid however they have ongoing issues. The plant is providing partial primary and partial UV treatment, but cannot get the sludge out.
4. Asbury Park (Atlantic) Sludge pumps were flooded during the storm, so pumping sludge out of their settling tanks to the holding tanks, with no way to pump sludge out of the holding tanks for disposal, resulting in a large volume of solids within TP. Discharging a chlorinated primary effluent to the ocean. At this time, all of their efforts are towards getting these sludge pumps up and running.
5. Middlesex County Utilities Authority (Middlesex) 123 mgd small portion of total flow receiving treatment to Raritan Bay

6. Long Branch SA (Monmouth) Partial treatment occurring, no assistance needed.

Major Power Issues

1. Northwest Bergen (Bergen) offline needs an electrician - see above for treatment.
2. Middlesex County Utilities Authority (Middlesex) Work continues to install interim pumps at both Sayreville and Edison Pump Stations. Electric wiring circuits, control panels and motors and pumps are being disassembled, dried, tested and reassembled.
3. Long Branch SA (Monmouth) on generator. JCP&L. Need Fuel.
4. Mt. Olive (Morris) off grid needs one generator
5. Ocean Gate needs 2 generators 75Kw/3 phase
6. Seaside Heights (Ocean) The county sewage pump station is being bypassed by diesel pump. No residents in town, not much flow.

Other Power Issues

1. Edgewater Boro (Bergen) at Little ferry need gasoline expected by 8pm
2. Willingboro MUA - (Burlington) 1 pump station at Clubhouse Drive on backup power, no assistance requested.
3. Verona (Essex) Off grid
4. Spectraserv (Hudson) – Off line urgent need for sludge treatment.
5. Raritan Twp MUA (Hunterdon) Offline JCP&L 3.0325mgd to Raritan River SB
6. Valley Rd Sewer Co - Pottersville STP / NJ American Water (Hunterdon) Off power JCP&L On generators
7. Glen Meadows/Twin Oaks (Hunterdon) off power grid (JCP&L)
8. Californ Section of Tewksberry (Hunterdon) - There are three treatment plants: Christi Bartles (septic), Hunters Glen (septic) and Oldwick (sprayfield) that are off line
9. Township of Ocean SA (Monmouth) Plant is still on generator as are the 5 pump stations. Service Provider JCP&L.
10. S. Monmouth Regional SA (Monmouth) Main plant is online but 10 of 11 pump stations on generators. Still waiting for two promised generators. Treating effluent. Lake Como outfall is not draining and could flood the plant.
11. Washington Twp - Long Valley Village (Morris) not on the grid (JCP&L)
12. Washington Twp Schooley's Mt (Morris) off grid
13. Hanover SA (Morris) not on the grid, (JCP&L)

14. Morris Twp (Morris)- Butterworth (1 plant on diesel generator, other on electric
15. Mendham Boro (Morris) off the grid on a generator
16. Morristown Town STP (Morris) not on the grid (JCP&L)
17. Ocean County Central (Ocean)- Barrier Island Pump stations are off line
18. West Milford (Passaic) has 1 STP that is running generator will be ok till 11/9/12. OFFPOWER GRID Orange and Rockland
19. Lamington Farm Golf (Somerset) need gasoline for generator.
20. Warren Twp SA (Somerset) - Stage 1 & 2 off grid JCP&L
21. Montgomery Twp - Cherry Valley (Somerset)

- Discharging effluent that is not fully treated

	FACILITY	TYPICAL FLOW	RECEIVING STREAM	EXISTING FLOW (MGD)
1.	Northwest Bergen MUA	10MGD	Hohokus Brook	Inspected Sunday, 11/4
2.	PVSC	240 MGD	New York Harbor	Onsite full time
3.	North Hudson SA	13MGD	Hudson River	Inspected Sunday, 11/4
4.	Asbury Park WTP	2 MGD	Atlantic Ocean	Inspected Sunday, 11/4
5.	MCUA	123 MGD	Raritan Bay	Onsite full time
6.	Long Branch	2 MGD	Atlantic Ocean	Inspected Sunday, 11/4
1.	Ocean Gate	<0.1 MGD	Atlantic Ocean	Inspected Thursday*
2.	Seaside Heights	unsure	Atlantic Ocean	Inspected Monday
3.	Reflection Lakes Garden	<0.1 MGD	Belchers Creek	Inspected Saturday
4.	Lamington Farm Golf	0.0048 MGD	GW discharge	Going Tuesday, 11/6
5.	Heller Park	<0.1 MGD	Mill Brook	Inspected, Sunday, 11/4

- There are 6 WWTPs with various levels of operational challenges, mostly related to the loss of primary power.
- 1. Passaic Valley Sewerage Commission (PVSC), serving 1.4 million people in Essex, Hudson, Bergen and Passaic; 5th largest wastewater treatment plant in the US. Normal flow = 240 mgd.
 - Facility has returned to normal dry weather flow of approximately 240 MGD. Some of the ventilation systems through the tunnels and galleries have been energized. Motors on the waste sludge pumps were removed and sent to contractor (Monday). Dewatering the low lying area around the primary sludge pumps continues.
 - All wastewater flow into PVSC was restored over the weekend. All PVSC CSO regulators were put back into service. Oxygenation tanks mixers were powered up and turned on. Crude primary treatment occurring. All discharges are going to outfall 5 miles from facility in New York Harbor.
 - Submersible pumps arrived Monday, 11/6 and were deployed to remove remaining water remaining in tunnels and galleries. ACOE continues to assist in removing water in low lying areas in the tunnels and galleries.
 - ACOE stated that 2 of the 3 Expanded Scope of Services from FEMA were approved – Assistance in assessing the assets that were submerged and assessing dewatering centrifuges and hiring subcontractors to get them operational. Requested aid to assist with

cleaning services for the tunnels and galleries was denied. EPA has offered assistance in bringing cleaning services to the plant. A new request for assistance was submitted to ACOE for Damage Documentation Specialist.

- On Tuesday, 11/6, Synagro provided an initial proposal for onsite mobile dewatering last evening. PVSC, with the assistance of Army Corps, developed a more defined scope of requested mobile services for the mobile dewatering. Synagro is expected to provide a revised proposal by Wednesday, 11/7. Synagro and EPA are discussing possible landfill waiver requirements to accept unstablized sludges. EPA, WEF and PVSC are exploring options liquid waste disposal – at the moment, barging liquid sludge to alternate locations is not a realistic option. PVSC will continue to explore the possible need to utilize barges for onsite storage.
- DEP and PVSC will discuss odor control system options on Wednesday, 11/7.
- DEP continues to take influent and effluent samples for TSS and CBOD analyses. An effluent sample was also taken for fecal coliform analysis. PVSC set up influent and effluent 24 hour composite samplers, they were programmed to start sampling Tuesday, 11/6.

DEP Sampling Results:

	11/4/2012	11/5/2012
Influent TSS	168 mg/l	228 mg/l
Effluent TSS	144 mg/l	40 mg/l
Influent CBOD	No Results	
Effluent CBOD	No Results	
Effluent Fecal Coliform	0 mpn	13000 mpn

NOTE: The results for the TSS effluent for 11/4 were revised. PVSC was advised to check their chlorine residual as the fecal coliform result went from 0 to 13,000. Two investigators will be at PVSC Wednesday, 11/7 to sample again.

- 2. Middlesex County Utility Authority – Middlesex County, serving 797,000. Normal flow 123 mgd. Commissioner visited the site on Monday, 11/5.

- The power is currently shut down to the pump station while all electrical equipment including pumps, motors and electric control are being disassembled, dried, tested and reassembled. The facility received a generator on Saturday, 11/3 and has returned to normal dry weather flow of approximately 110 MGD. Re-Powering of the substation for the wastewater treatment plant has been
- The plant is now on the grid and receiving waste water from the South Amboy pump station (approximately 11 MGD) and 20-24 MGD from Sayreville Pump Station.
- Work continues at Sayreville and Edison pump stations.
 - Re-powering of Sayreville pump station has also been accomplished; however, 20 MGD is now flowing through flowing to the Sayreville pump station to the wastewater treatment plant. Sayreville normally receives between 70-75 MGD. MCUA is attempting to install an additional 12-15 MGD of pumping capacity by the end of week. A Diver is to enter the wet well on Tuesday, 11/6 to install a new gate.
 - The Edison pump station is still offline. MCUA expects the station to have bypass pumps in place later this week. This will then handle all dry weather flow to Edison pump station. All pump stations have electrical power restored but are unable to use this power to run interim pumps which are powered by diesel fuel.
- 3. NO CHANGE, BUT MONITORING - North Hudson, Hoboken – Hoboken, Hudson County. Normal flow: 20 MGD.
 - All systems are on the grid; however, they are having ongoing issues. The plant is on primary treatment but cannot get the sludge out. They are trying to restore the pumps because the motors were underwater. They are running their effluent pump station on a backup generator because they cannot flip the switch because everything was flooded. Their only resource need could be a fuel storage tank to hold fuel that they could distribute from one central location to their numerous sites. DEP cannot provide this and directed them to the fuel merchants' website. They have private fuel delivery set up and confirmed that they can be removed from the resource list.

- 4. NO CHANGE, BUT MONITORING - Two Bridges Sewerage Authority (sludge incinerator, Passaic County)
 - Although the facility is back on the grid (As of Sunday, 11/4) they've indicated that unless they continue to receive adequate supplies of fuel oil to run the incinerators, they will be unable to take customers. Further, the price they've been paying for oil has been very high since the storm and if it does not moderate they cannot take large customers at a loss. Barring adequate fuel supplies, the facility can help other plants with small amounts to keep them in compliance. They are putting together an estimate of how much oil they would need to fire both incinerators and take customer sludge.
- 5. NO CHANGE, BUT MONITORING - ACMUA
 - Back on the grid; however, they are still using generators at a couple of off-site locations, but they have sufficient generators and fuel at this time.
- 6. NO CHANGE, BUT MONITORING - Freehold Borough pump stations that need to be restored:
 - Spring Street and Wayne Avenue
 - Court Street and Waterworks Road
 - Burts Drive
 - Kinsley Way off of Stokes Street
 - E. Street off of Institute
 - Brown Avenue & Manalapan Ave
 - Orchard Street
 - Dogwood Lane off of Brookwood
- Other Systems Being Monitored
 1. Atlantic City Collection System
 2. Bergen County Utilities Authority
 3. Cape May County MUA – Ocean City WWTF
 4. City of Camden- (Combined Sewer Collection System)
 5. Hackettstown MUA
 6. Livingston Township
 7. Long Branch Sewage Authority
 8. Montgomery Twp. – Cherry Valley
 9. Neptune Twp. SA STP
 10. Ocean County UA – North
 11. Southern Monmouth Sewerage Authority is waiting on 2 generators

12. Long Hill - Receive a fuel delivery for the weekend

- Additional C&E notes:
 - Temporary Solid Waste Vehicle Registrations Issued – 34 companies under contract with public entities were provided temporary vehicle registrations in order to increase the capacity for hauling waste. The cumulative vehicle registrations include: 75 cabs, 15 trailers, 55 containers, 93 single unit vehicles (SUV).
 - Temporary Debris Management Area (TDMA) – Stafford Township applied for a 20 acre TDMA site and started using it prior to DEP approval. Most notably Timster (a hauler) was acting as the operator of the site, including setting up to manage a commercial operation with scales and tipping fees. Timster has no approvals that enable it to act as a facility operator charging fees. Timster was issued an NOV. The township was advised to hold off operations and engage with permitting folks about necessary safeguards and info including that which is needed to ensure the town qualifies for FEMA reimbursement.

Motiva Oil Spill

- Arthur Kill – Motiva Oil Tank Facility in Perth Amboy, Middlesex County
- During the storm surge, 2 Motiva bulk tanks suffered a rupture spilling 378,000 gallons of green low sulfur diesel fuel into the Arthur Kill, Smiths Creek and Woodbridge Creek. Motiva estimates that 277,200 gallons of that escaped secondary containment.
- DEP is participating in the clean up along with the US Coast Guard Port of New York unit and Atlantic Strike Team. Motiva hired Atlantic Response and MSRC to assist in the cleanup. 200 cleanup personnel have been working the scene.
- Severe weather is in the forecast for 11/7 and into 11/8. A skeleton crew will be on site to deal with any issues that arise. No on water operations will commence 11/7/2012.
- Smith Creek is being lined with sorbents in preparation for the storm.
- Additional containment boom and absorbent materials have been deployed in Woodbridge Creek on Port Reading Ave. and on High St.
- Additional absorbent materials have been deployed on Mill Creek in Staten Island.

- The unnamed tributary north of the Outerbridge Crossing was determined to be inaccessible by land. Absorbent materials were deployed throughout this creek.
- Work at the buckeye pipeline facility to the South had additional absorbents deployed throughout. Additional containment boom was deployed there as well to address issues noted during an investigation conducted by USCG and DEP.
- Work continued at the areas near the containment dike.
- The North dock is ready to open and receive a ship tonight.
- Motiva continues to work towards opening the facility to vessel traffic. . An underwater obstruction was found at the South Dock. A work plan is being proposed to deal with the obstruction so that the South Dock can fully open as well.
- DEP personnel are conducting additional air monitoring in the neighborhoods surrounding the Woodbridge and Smith Creeks. Thus far air monitoring results are consistent with those provided by Motiva. No elevated readings for Volatile Organic Compounds (VOC's) have been found.
- Tri State Bird Rescue is on site today and will be conducting an active on water assessment to identify and recover any oiled wildlife.
- USCG has set up an Area Command to coordinate all on water pollution response activities in the Port of NY & NJ along with the coastal zone. NJDEP has an emergency responder at the Area Command to coordinate with USCG, USEPA, and NYSDEC.

Phillips 66 Bayway Refinery Petroleum Product Spills

- Refinery identified two discharges – a 30-barrel (1,200 gallon) release of #6 fuel oil confined to within a containment berm, and a 155-barrel (6,200 gallon) release of “slop oil” from the East Retention Basin (much larger than originally reported).
- Oily floodwater inundated the basements of six homes on Emma Road. Homes will be fully restored with a private contractor, and their lawns removed and re-sodded.
- Approximately 5 to 6 acres of a grassy slope area in Rose Hill Cemetery in Linden was covered with black oil. Oiled area includes few headstones and is not in the main area of the cemetery.

- 75 dead birds and another 170 oiled birds, mostly Canada geese and cormorants. Oiled birds transported to Delaware for rehabilitation. An estimated 110 of these have been rehabilitated and released. Twelve turtles are being rehabilitated.
- Company contractors are working to remove all pooled oil and heavily oiled debris from the vicinity in advance of the nor'easter. After the storm, Phillips will apply a microbial product to accelerate oil degradation. DEP is speeding up permit approval.

State Parks

- Liberty State Park has been designated as a commuter terminal to facilitate the ferrying of New Jersey residences to New York's Battery Park where they will have access to New York City's bus and subway system. The park has approximately 2200 parking spaces available. Starting Tuesday, NJ Transit will begin bus service within the park and also bring passengers from the Meadowlands lots to board ferry boats for the trip to New York. The ferry service will run from 6:00 a.m. to 10:00 a.m., 12:00 p.m. to 1:00 p.m., and 4:00 p.m. to 8:00 p.m. on a daily basis. Currently the ferry service has a capacity to carry over 5,000 passengers per hour on multiple ferry ships.
- Parks will continue to be reopened on a case-by-case basis. A list is linked from DEP's Hurricane Sandy resources page.

Deployed Resources

- **Parks Police**
 - 9 officers on two 12 hour shifts at Liberty State Park for security.
 - 10 officers on two 12 hour shifts to provide security at evacuation shelters in Burlington County.
- **Conservation Officers**
 - 8 officers and boats daily from 11/5 until 11/11 to provide support to State Police to deter looters traveling via water to the barrier islands.
- **Water Resources**
 - 8 subject matter experts at the State Emergency Operations Center
- **Emergency Management**

- 5 staff manning the State Emergency Operations Center 24/7
- 11 Emergency Response Specialists conducting hazmat and oil response operations and assessments
- Hoboken – Pooled free petroleum is present along Jefferson St. from 1st St. up to 5th St. DEP is currently addressing pooled free product and pressure washing any direct contact impacts at the Boys & Girls Club located at 123 Jefferson Street, to minimize any contact to the children. In addition, two (2) city playgrounds are impacted with free product along with the firehouse on Jefferson St. At least 10 residential properties on Jefferson St. have pooled oil and free product impacts in their front and rear yards. Additional residential impact complaints continue to come into the County Health Department. The scope of work involves and removal of all pooled oil/saturated materials emitting strong fuel odors.

- **Forest Fire Service**

- Sandy hook: 1 type 4 engine, 1 water tender, 1 6x6 transport
- Seaside Heights: 3 type 4 engines
- Brick OEM: 1 type 6 engine
- Brick (Manaloking): 2 type 4 engines
- West Milford: 4 potable water tanks
- Newark City: no operations closed election day
- Division A: 1 saw crew deployed to clear access to Bearfort fire tower
- Division A: 1 crew hooked up generator at Aeroflex airport
- FEMA type 1 team: 9 members of the FFS are assisting the team 1 FEMA team in Freehold NJ
- Wharton State Forest: 2 saw crews – hazard tree removal

Route 35

- DEP met with DOT onsite in Mantoloking on Friday to coordinate speedy reopening of Route 35. Meeting again with DOT and with the U.S. Army Corps of Engineers on Monday.

Nuclear Plants

- Oyster Creek: Offline for planned outage.
- Salem 1: 100% power (as Sunday, 11/4).

- Salem 2: Offline for planned outage.
- Hope Creek: 100% power.

Shellfish

- Shellfish beds remain under precautionary closure.
- Following FDA protocol, samples must reach background levels and postpone re-opening a week to ensure specimens are acceptable.